WHAT IS CLAIMED IS:

- 1. A protection structure of a circuit board,
- 2 comprising:
- 3 a circuit board fixed to an electronic device;
- 4 electronic components mounted on said circuit board; and
- 5 a protection cover for protecting said electronic
- 6 components; wherein:
- 7 at least one end of said protection cover is engaged
- 8 with and fixed to a protection cover fixing means provided
- 9 on at least one of said circuit board and said electronic
- 10 device so as to be freely opened and closed utilizing its
- 11 elasticity.
- 1 2. A protection structure of a circuit board according to
- 2 claim 1, wherein:
- 3 said protection cover fixing means is a hook portion
- 4 formed out of a hook-shaped structure projecting at one end
- 5 of said circuit board.
- 1 3. A protection structure of a circuit board according to
- 2 claim 1, wherein:
- 3 said protection cover fixing means is a hook portion
- 4 formed out of a hook-shaped structure projecting on said
- 5 electronic device near one end of said circuit board.
- 4. A protection structure of a circuit board according to
- 2 claim 1, wherein:
- 3 said protection cover is provided with a first engaging
- 4 portion to be engaged with said electronic device side at
- 5 one end of it, a protection portion which starts from said

- 6 first engaging portion, reaches the electronic component
- 7 mounting face of said circuit board as being curved and
- 8 extends to the other end of said circuit board and thereby
- 9 covers electronic components mounted on said circuit board,
- 10 and a second engaging portion provided by bending the fore-
- 11 end portion of said protection portion, wherein;
- 12 at least one of said first and second engaging portions
- 13 is fixed to said protection cover so as to be freely opened
- 14 and closed.
- 1 5. A protection structure of a circuit board according to
- 2 claim 4, wherein:
- 3 the protection portion of said protection cover is made
- 4 not to rise apart from the electronic component mounting
- 5 face of said circuit board by engaging at least one
- 6 engaging portion of said protection cover with said
- 7 protection cover fixing means.
- 1 6. A protection structure of a circuit board according to
- 2 claim 1, wherein:
- 3 an insulating plate is provided between said electronic
- 4 device and said circuit board.
- 1 7. A protection structure of a circuit board according to
- 2 claim 6, wherein;
- 3 one end of said protection cover is freely opened and
- 4 closed, the other end is fixed to said electronic device
- 5 side, and said insulating plate is made to extend from the
- 6 other end of said protection cover under said circuit board.
- 1 8. A protection structure of ϵ circuit board according to

- 2 claim 6, wherein:
- 3 said insulating plate is a structure separate from said
- 4 protection cover.
- 9. A protection structure of a circuit board according to
- 2 claim 1, wherein:
- 3 said protection cover fixing means is provided with a gap
- 4 forming means for providing a gap necessary for engaging at
- 5 least one engaging portion of said protection cover with an
- 6 end of said circuit board between said circuit board and
- 7 said electronic device.
- 1 10. A protection structure of a circuit board according
- 2 to claim 9, wherein:
- 3 said gap forming means is a contraction-processed portion
- 4 obtained by pressing out a part of the mounting surface of
- 5 said electronic device on which said circuit board is to be
- 6 mounted.
- 1 11. A protection structure of a circuit board according
- 2 to claim 9, wherein:
- 3 said gap forming means is a spacer interposed between said
- 4 circuit board and said electronic device.
- 1 12. A protection structure of a circuit board according
- 2 to claim 9, wherein: .
- 3 said gap forming means is an insulating plate interposed
- 4 between said circuit board and said electronic device.
- 1 13. A protection structure of a circuit board according
- 2 to claim 1, wherein:
- 3 said electronic device is a liquid crystal display device.

- 1 14. A method for manufacturing a protection structure
- 2 comprising the steps of:
- 3 fixing a circuit board to an electronic device, and
- 4 protecting a side of said circuit board being not covered
- 5 with said electronic device from the outside by engaging at
- 6 least one end of a protection cover with a protection cover
- 7 fixing means provided on said electronic device side.
- 1 15. A method for manufacturing a protection structure
- 2 according to claim 14, wherein:
- 3 said step of fixing said circuit board to said electronic
- 4 device is performed by simultaneously fixing a separate
- 5 insulating plate between said electronic device and said
- 6 circuit board additionally to fixing said electronic device
- 7 and said circuit board, and is provided with a step of
- 8 protecting a side of said circuit board being not covered
- 9 with said electronic device from the outside by engaging at
- 10 least one end of said protection cover with said protection
- 11 cover fixing means provided on said electronic device side.
- 1 16. A method for manufacturing a protection structure
- 2 according to claim 14, wherein:
- 3 said step of fixing said circuit board to said electronic
- 4 device is performed by fixing an insulating plate to said
- 5 electronic device and thereafter fixing said circuit board
- 6 to said electronic device through said insulating plate
- 7 fixed to said electronic device, and is provided with a
- 8 step of protecting a side of said circuit board being not

- 9 covered with said electronic device from the outside by
- 10 engaging at least one end of said protection cover with
- 11 said protection cover fixing means provided on said
- 12 electronic device side.
 - 1 17. A method for manufacturing a protection structure
 - 2 according to claim 16, wherein:
 - 3 said step of fixing said circuit board to said electronic
 - 4 device through said insulating plate fixed to said
- 5 electronic device interposes a spacer between said circuit
- 6 board and said insulating plate.
- 1 18. A method for manufacturing a protection structure
- 2 according to claim 14, wherein:
- 3 said step of fixing said circuit board to said electronic
- 4 device is performed by fixing an insulating plate to said
- 5 circuit board and thereafter fixing said circuit board
- 6 having said insulating plate fixed on it to said electronic
- 7 device through said insulating plate, and is provided with
- 8 a step of protecting a side of said circuit board being not
- 9 covered with said electronic device from the outside by
- 10 engaging at least one end of said protection cover with
- 11 said protection cover fixing means provided on said
- 12 electronic device side.
- 1 19. A method for manufacturing a protection structure
- 2 according to claim 17, wherein:
- 3 said step of fixing said circuit board having said
- 4 insulating plate fixed
- 5 on it to said electronic device interposes a spacer between

- 6 said insulating plate and said electronic device.
- 20. A method for manufacturing a protection structure
- 2 according to claim 14, wherein:
- 3 said electronic device is a liquid crystal display device.